

SEQUENCE LISTING

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SCHWANINGER, MARKUS

<120> USE OF TWEAK MODULATORS AND INHIBITORS FOR THE TREATMENT OF
NEUROLOGICAL CONDITIONS

<130> 081847-0129

<140> 10/589,823
<141> 2007-05-15

<150> PCT/EP2005/001921
<151> 2005-02-23

<150> EP 04004094.1
<151> 2004-02-23

<160> 13

<170> PatentIn version 3.5

<210> 1
<211> 249
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(249)
<223> TWEAK

<400> 1
Met Ala Ala Arg Arg Ser Gln Arg Arg Arg Gly Arg Arg Gly Glu Pro
1 5 10 15

Gly Thr Ala Leu Leu Val Pro Leu Ala Leu Gly Leu Gly Leu Ala Leu
20 25 30

Ala Cys Leu Gly Leu Leu Leu Ala Val Val Ser Leu Gly Ser Arg Ala
35 40 45

Ser Leu Ser Ala Gln Glu Pro Ala Gln Glu Glu Leu Val Ala Glu Glu
50 55 60

Asp Gln Asp Pro Ser Glu Leu Asn Pro Gln Thr Glu Glu Ser Gln Asp
65 70 75 80

Pro Ala Pro Phe Leu Asn Arg Leu Val Arg Pro Arg Arg Ser Ala Pro
85 90 95

Lys Gly Arg Lys Thr Arg Ala Arg Arg Ala Ile Ala Ala His Tyr Glu
100 105 110

Val His Pro Arg Pro Gly Gln Asp Gly Ala Gln Ala Gly Val Asp Gly
115 120 125

Thr Val Ser Gly Trp Glu Glu Ala Arg Ile Asn Ser Ser Ser Pro Leu
130 135 140

Arg Tyr Asn Arg Gln Ile Gly Glu Phe Ile Val Thr Arg Ala Gly Leu
145 150 155 160

Tyr Tyr Leu Tyr Cys Gln Val His Phe Asp Glu Gly Lys Ala Val Tyr
165 170 175

Leu Lys Leu Asp Leu Leu Val Asp Gly Val Leu Ala Leu Arg Cys Leu
180 185 190

Glu Glu Phe Ser Ala Thr Ala Ala Ser Ser Leu Gly Pro Gln Leu Arg
195 200 205

Leu Cys Gln Val Ser Gly Leu Leu Ala Leu Arg Pro Gly Ser Ser Leu
210 215 220

Arg Ile Arg Thr Leu Pro Trp Ala His Leu Lys Ala Ala Pro Phe Leu
225 230 235 240

Thr Tyr Phe Gly Leu Phe Gln Val His
245

<210> 2
<211> 1306
<212> DNA
<213> Homo sapiens

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<223> TWEAK

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| cacagcccccc | cgccccatg | gccgcccgtc | ggagccagag | gcggaggggg | cgccgggggg | 60 |
| agccgggcac | cgccctgctg | gtcccgctcg | cgctggcct | gggcctggcg | ctggcctgec | 120 |
| tcggcctct | gctggccgtg | gtcagtttgg | ggagccgggc | atcgctgtcc | gcccaggagc | 180 |
| ctgcccagga | ggagctggtg | gcagaggagg | accaggaccc | gtcggaaactg | aatccccaga | 240 |
| cagaagaaag | ccaggatcct | gccccttcc | tgaaccgact | agttcggcct | cgcagaagtg | 300 |
| cacctaaagg | ccggaaaaca | cgggctcgaa | gagcgatcgc | agcccattat | gaagttcatc | 360 |
| cacgacctgg | acaggacgga | gcgcaggcag | gtgtggacgg | gacagtgagt | ggctgggagg | 420 |
| aagccagaat | caacagctcc | agecctctgc | gctacaaccg | ccagatcggg | gagtttatag | 480 |

| | |
|---|------|
| tcaccccggc tgggcctac tacctgtact gtcaggtgca ctttgcgtgag gggaaaggctg | 540 |
| tetacctgaa gctggacttg ctgggtggatg gtgtgcgtggc cctgcgtgc ctggaggaat | 600 |
| tctcagccac tgcggccagt tccctcgggc cccagctccg cctctgccaag gtgtctggc | 660 |
| tgttggccct gcggccaggg tcctccctgc ggatccgcac cctccctgg gcccacatcta | 720 |
| aggctgcccc cttccctcacc tacttcggac tcttccaggt tcaactgaggg gcccctggct | 780 |
| ccccacagtc gtcccaggct gccggctccc ctcgacagct ctctggcac ccggccccct | 840 |
| ctgccccacc ctcagccgtt ctttgcgtcca gacctgcccc tccctctaga ggctgcctgg | 900 |
| gcctgttcac gtgtttcca tcccacataa atacagtatt cccactctta tcttacaact | 960 |
| ccccccccgc ccactctcca cctcaactgc tcccaatcc ctgacccttt gagggccccca | 1020 |
| gtgatctcga ctccccctg gccacagacc cccagggcat tgtgttcact gtactctgtg | 1080 |
| ggcaaggatg ggtccagaag acccccacttc aggcactaag agggggctgga cctggcggca | 1140 |
| ggaagccaaa gagactgggc ctaggccagg agttccaaa tgtgagggc gagaacaag | 1200 |
| acaagctcct cccttgagaa ttccctgtgg atttttaaaa cagatattat ttttattatt | 1260 |
| attgtgacaa aatgttgata aatggatatt aaatagaata agtcag | 1306 |

<210> 3
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 <212> PRT
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<220>
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 <222> (1)..(129)
 <223> TWEAK receptor/Fn 14

<400> 3
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Leu Trp Leu Ala Leu Leu Arg Ser Val Ala Gly Glu Gln Ala Pro Gly
 20 25 30

Thr Ala Pro Cys Ser Arg Gly Ser Ser Trp Ser Ala Asp Leu Asp Lys
 35 40 45

Cys Met Asp Cys Ala Ser Cys Arg Ala Arg Pro His Ser Asp Phe Cys
 50 55 60

Leu Gly Cys Ala Ala Ala Pro Pro Ala Pro Phe Arg Leu Leu Trp Pro
 65 70 75 80

Ile Leu Gly Gly Ala Leu Ser Leu Thr Phe Val Leu Gly Leu Leu Ser
 85 89 90 95

Gly Phe Leu Val Trp Arg Arg Cys Arg Arg Arg Glu Lys Phe Thr Thr
100 105 110

Pro Ile Glu Glu Thr Gly Gly Glu Gly Cys Pro Ala Val Ala Leu Ile
115 120 125

Gln

<210> 4
<211> 998
<212> DNA
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<220>
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<222> (1)..(998)
<223> TWEAK receptor/Fn 14

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| cgggtgcgtc ggctccgtcgt gctggggctc tggtggcggt tgctgcgtc cgtggccggg | 120 | |
| gagcaaggc caggeaccgc cccctgcctc cgcggcagct cctggagcgc ggacactggac | 180 | |
| aagtgcattt actgcgcgtc ttgcaggcg cgaccgcaca gcgacttctg cctggctgc | 240 | |
| gctgcagcac ctcctgcccc cttccggctg ctttggccca tccttggggg cgctctgagc | 300 | |
| ctgaccttcg tgctgggct gctttctggc tttttggctt ggagacgtat ccgcaggaga | 360 | |
| gagaagttca ccaccccat agaggagacc ggcggagagg gctgcccage tgtggcgctg | 420 | |
| atccagtgtac aatgtgcctt ctgcccggcgg gggctcgecc actcatcatt cattcataca | 480 | |
| ttcttagagcc agtctctgccc tcccagacgc ggcggagacc aagetccctcc aaceacaagg | 540 | |
| gggggtggggg gcgggtaaatc acctctgagg cctggccca gggttcaggg gAACCTTCCA | 600 | |
| aggtgtctgg ttgccttgcc tctggctcca gaacagaaaag ggagcctcac gctggctcac | 660 | |
| acaaaacagc tgacactgac taaggaactg cagcatttgc acaggggagg ggggtgccc | 720 | |
| ccttccttag gacctggggg ccaggctgac ttggggggca gacttgacac taggccccac | 780 | |
| tcactcagat gtcctgaaat tccaccacgg gggtcaccct ggggggttag ggacctattt | 840 | |
| ttaacactag gggctggccc actaggaggg ctggccctaa gatacagacc ccccaactc | 900 | |
| cccaaagcgg ggaggagata ttattttgg ggagagttt gaggggaggg agaatttatt | 960 | |
| aataaaaagaa tcttaactt taaaaaaaaaaa aaaaaaaaaa | 998 | |

<210> 5
<211> 17
<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 5
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<210> 6

<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 6
ttttttttt tttttttv 19

<210> 7

<211> 69

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 7
ggccagtgaa ttgttaatacg actcaactata gggctgcatt gagacgattc ttttttttt 60
ttttttttv 69

<210> 8

<211> 18

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 8
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<210> 9

<211> 41

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic primer

<400> 9
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<210> 10

<211> 21

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<213> Artificial Sequence

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| <220> | |
| <223> Description of Artificial sequence: Synthetic primer | |
| <400> 10 | 21 |
| aacgctgtct gcccaggagc c | |
| <210> 11 | |
| <211> 24 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <220> | |
| <223> Description of Artificial sequence: Synthetic primer | |
| <400> 11 | 24 |
| gccccgaggat gaacctcata atgg | |
| <210> 12 | |
| <211> 20 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <220> | |
| <223> Description of Artificial sequence: Synthetic primer | |
| <400> 12 | 20 |
| accccacccgt gttcttcgac | |
| <210> 13 | |
| <211> 20 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <220> | |
| <223> Description of Artificial sequence: Synthetic primer | |
| <400> 13 | 20 |
| catttgcctat ggacaagatg | |